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Pattern Research Project: An Investigation of The Pattern And Printing Process - Kaleidoscope

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A full-page background featuring a complex, symmetrical kaleidoscope pattern. The design is composed of numerous triangles and quadrilaterals in a palette of muted reds, oranges, and light beige. The pattern is mirrored both horizontally and vertically, creating a sense of depth and geometric harmony. A central white rectangular box with a thin black border is positioned in the middle of the image, containing the word "Kaleidoscope" in a black serif font.

Kaleidoscope

Kaleidoscope “706” Pattern by Frank Lloyd Wright

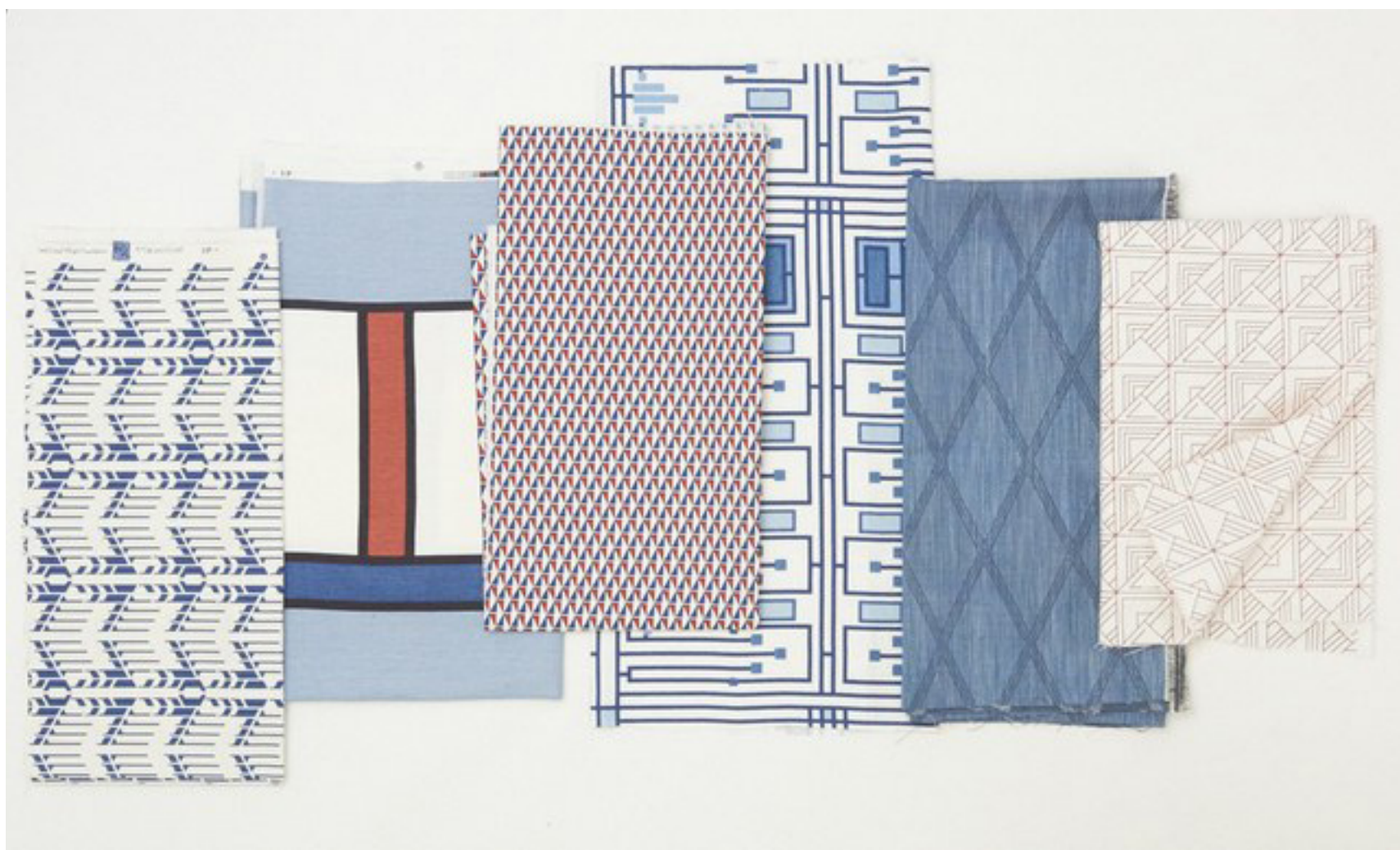


Kaleidoscope FL-KAD-I
Bradbury & Bradbury Wallpaper
Designed by Frank Lloyd Wright
Part of the Frank Lloyd Wright Design Collection
27" wide x 15' long
Repeat size: 36"
\$116/ roll

Use

Contemporary
The contemporary use of the pattern is a wallpaper manufactured by Bradbury & Bradbury called Kaleidoscope. The wallpaper is part of the Frank Lloyd Wright Design Collection and costs \$116/ roll.
Precedent
The pattern was historically used as wallpapers and decorative fabrics for homes. The company Schumacher worked with Frank Lloyd Wright to create an entire line of wallpaper and textile designs.

Fabric Samples from Schumacher's new Frank Lloyd Wright line called the Applied-Architecture Collection. These are similar to Frank Lloyd Wright's old Taliesin line with the same company.



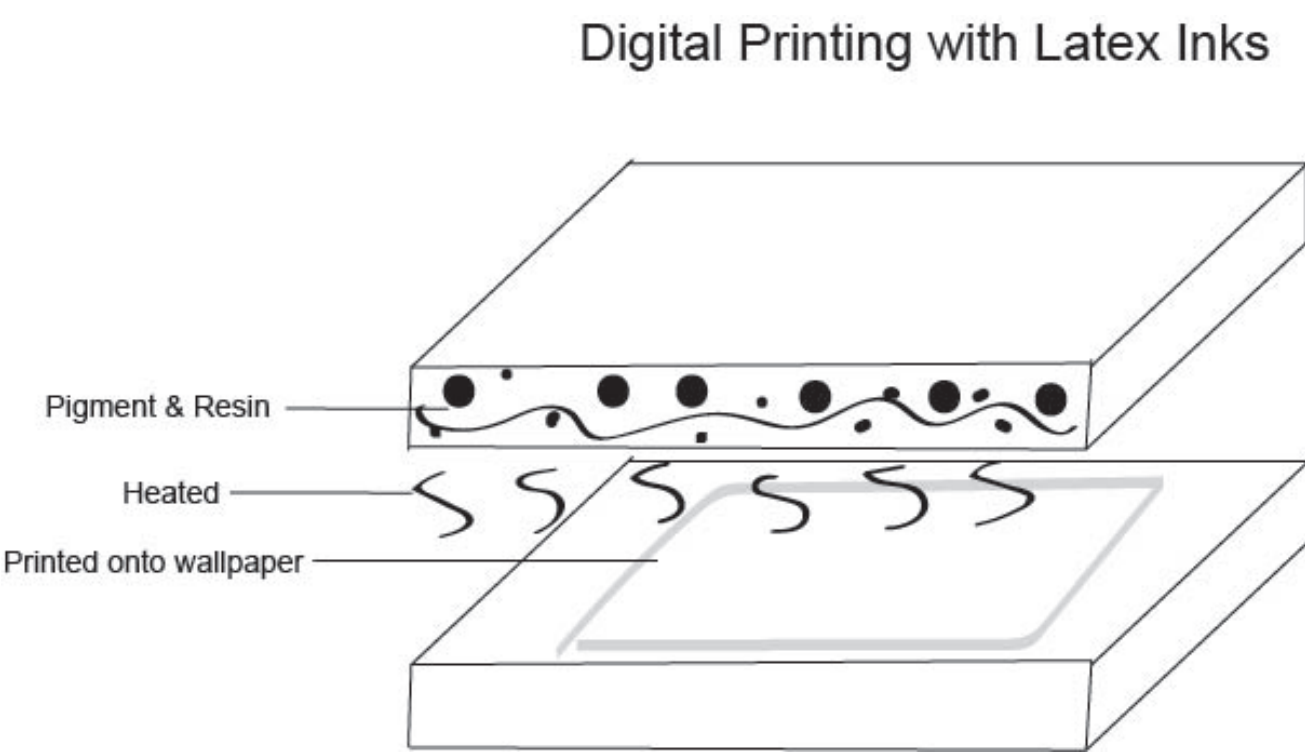
History

Frank Lloyd Wright became very well known for his architecture and design in the 20th century. His work was often featured in a magazine called House Beautiful that was edited by Elizabeth Gordon. It was Gordon that urged Frank Lloyd Wright to create a line of home textiles and wallpapers. Wright then partnered with a company named Schumacher to create a line of fabrics and wallpapers for people who did not live in one of his homes. The Taliesin textile line was released in 1955 and consisted of geometric patterns that were inspired by Wright's architecture. In 2017 Schumacher collaborated with the Frank Lloyd Wright Foundation and designed a new line for Wright's 150th birthday called the Applied- Architecture Collection. This line includes 50 textiles that were based on the original collection as well as some of Wright's other designs. The wallpaper company, Bradbury & Bradbury, also collaborated with the Frank Lloyd Wright Foundation and in 2016 released their line based on Wright's original designs. The Kaleidoscope wallpaper in the Bradbury & Bradbury collection is identical to Wright's "706" pattern.

Materials & Craft

Contemporary
The Kaleidoscope wallpaper manufactured by Bradbury & Bradbury is printed using archival quality latex inks. These latex inks are machine printed onto clay-coated, latex reinforced paper that has a class "A" fire rating. Bradbury & Bradbury prints all of their wallpapers at their factory in Benicia, California. Latex inks (resin inks) are a rather new material being used in wallpapers. Latex inks do not have an odor like solvent inks do. They also dry right after they are printed and do not need to be laminated. There are also several environmental advantages to using latex since a majority of the ink is made of water.

Precedent
F Schumacher & Co's 706 fabric from 1955 in the Taliesin line was hand screen printed onto 100% Cotton printed duck fabric. Schumacher & Co also handprinted the 706 Pattern on paper for wallcoverings. The main use of this specific pattern during that time was fabric for furniture. Cotton duck is woven tightly to produce a smooth surface. Weaving the cotton tightly also makes the fabric strong and sturdy. The technique used to weave the duck fabric is different from other methods such as the twill where the weave follows a diagonal parallel pattern. The duck fabric is woven following a plain weaving pattern which gives the fabric its specific look.



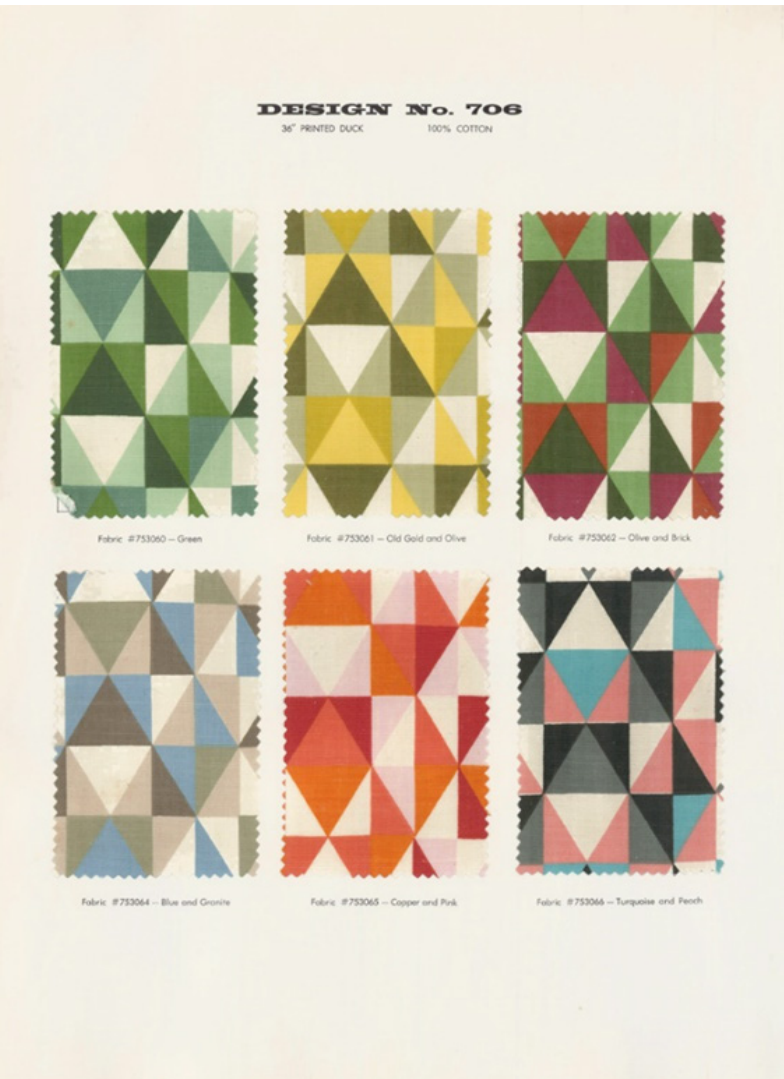
Evolution of Pattern

Technology & craft- In 1955 the 706 Taliesin pattern was hand screen printed onto 100% cotton duck fabric. With the development of technology, digital printing is now widely used to print wallpapers. Bradbury & Bradbury digitally prints the Kaleidoscope pattern with archival quality latex inks onto clay-coated, latex reinforced paper.

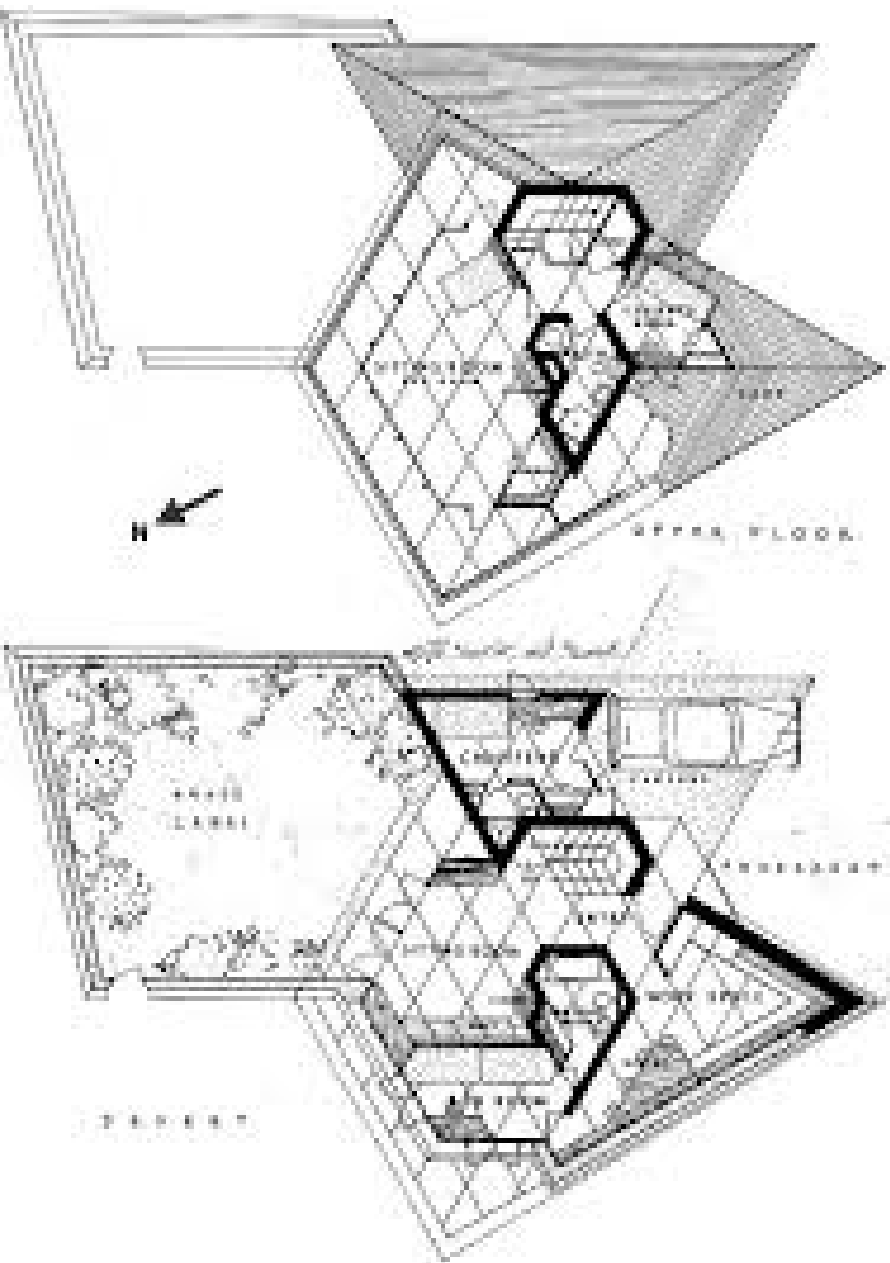


Color

The Kaliedoscope Pattern is also available in two other color schemes. All of the color schemes use contrast to communicate the shapes of the pattern. Tonal similarities also allow the geometries to work together to create larger ones. The orange color option is warm and tonal creating a very bold and bright wallpaper. Bradbury & Bradbury created these color schemes based on the original Taliesin Line Frank Lloyd Wright created in 1955.



The original 706 pattern from the Taliesin line had several more color options available for the wallpapers and fabrics. Some of the original color schemes, including the orange, were used for Bradbury & Bradbury's wallpaper design.



Design

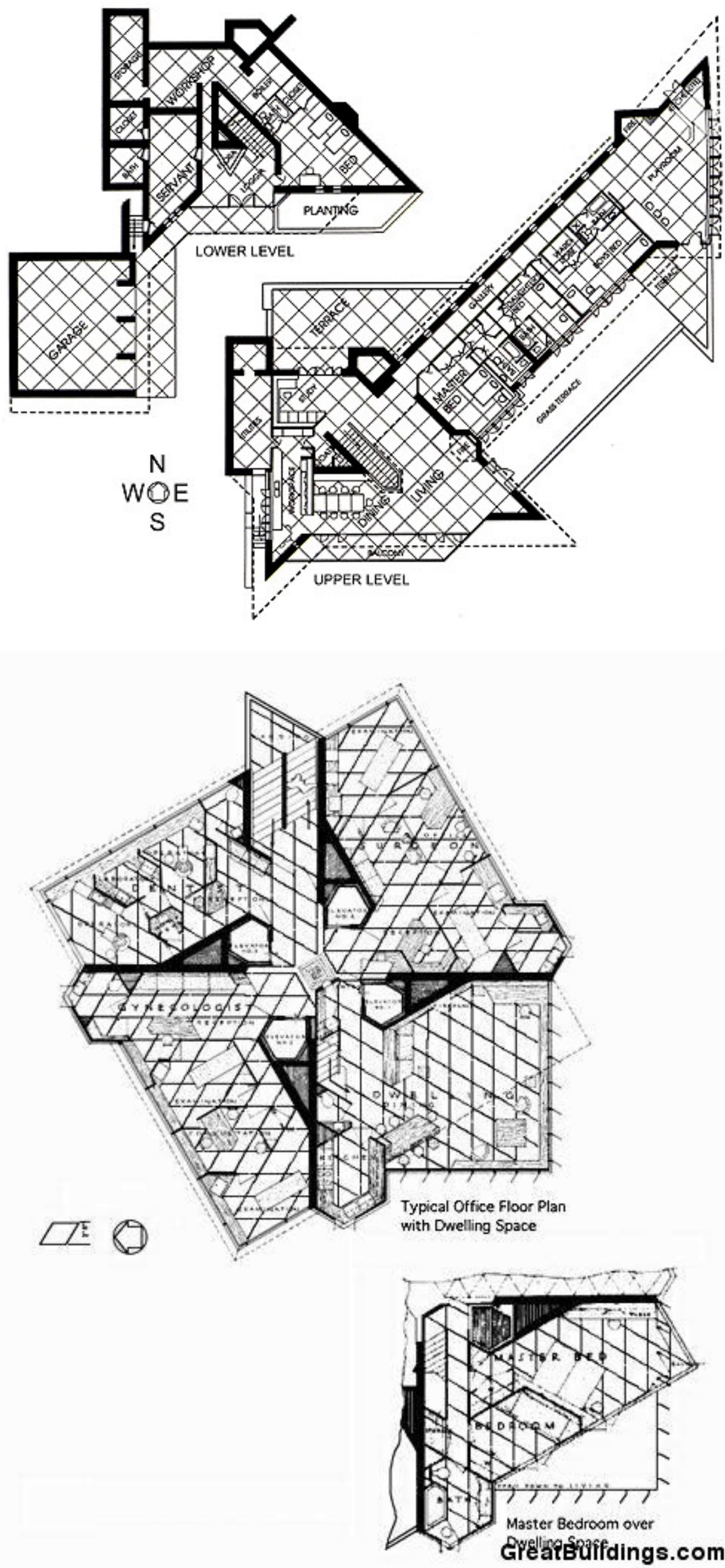
Frank Lloyd Wright Designed this pattern with the intention of selling it to people who could not live in one of his designed homes. He based all of his patterns on his architecture. The 706 or Kaleidoscope pattern was designed based on a diagnol floor plan that he used often by the 1950s. He often used the diagnol floor plans when designing houses. A few of the buildings he designed that show this diagnol floor plan include the following:

The Elam House- 1950

The Price Tower Bartlesville- 1952

The Boomer Residence- 1954

The geometry of the floorplans are represented in the pattern. A combination of triangles are used within the repeat to create larger shapes throughout the pattern. These triagnles can also be seen throughtout his drafted drawings to create larger and more complex shapes.



Tamara Bowen December, 2018

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